

ORBIT 0.5T CAPACITY 500 KG – SWIVEL CRANE WITH SINGLE ELECTRIC BOOM

ORBIT 0.5T is a power driven counterbalanced swivel crane. It is equipped with an easy-sliding drive wheel and a pair of airtight AGM batteries.

Electric lifting and lowering, extension and retraction at adjustable and proportional speed.

It is an extremely versatile, agile and easily maneuverable crane even in confined spaces.

ORBIT 0.5T: universal counterbalanced crane with unlimited use possibilities. Thanks to its 270 degrees free rotating Jib arm, this crane is ideal for placements of moulds and various loads over obstruction/barrier, on 3D machines, lathes, narrow openings, assembly lines, Perimeter protections.



Outreach and capacity with single electric boom

Length	From 485 mm to 885 mm
Capacity	From 500 kg to 320 kg
Outreach and capacity with jib extension (included)	
Length	From 931 mm to 1331 mm
Capacity	From 220 kg to 160 kg

Technical data	UM	ORBIT 0.5T
Weight	[kg]	810
Max capacity	[kg]	500
Lifting motor	[W]	800
Traction motor	[W]	1200
Tank capacity	[L]	2

Traction and controller

2 AGM batteries		1 battery charger	
[V]	[A]	[V]	[A]
2 x 12	2 x 120	24	12

ORBIT 0.5T

CAPACITY 500 KG WITH SINGLE ELECTRIC BOOM

TILLER ARM

Maximum ergonomics : the operator can firmly grip the tiller handles with both hands

Safe driving : Tiller arm safety switch disables operation in non-allowed positions

Slow/fast speed : 2-speed driving

Slow mode of 1.5 km/hr ideal for tight spaces and to safely move the load

Standard speed of 3.0 km/hr to drive the crane along long distances

Audible motion warning device : Horn with anti-noise polyester axial capacitor

Anti-crush belly button: anti-crush button with automatic reversing switch to ensure the safety of the operator in every maneuvering operation

2 butterfly controls: for forward travel and backward travel controls



CONTROLS, WARNING LIGHTS AND STANDARD FEATURES

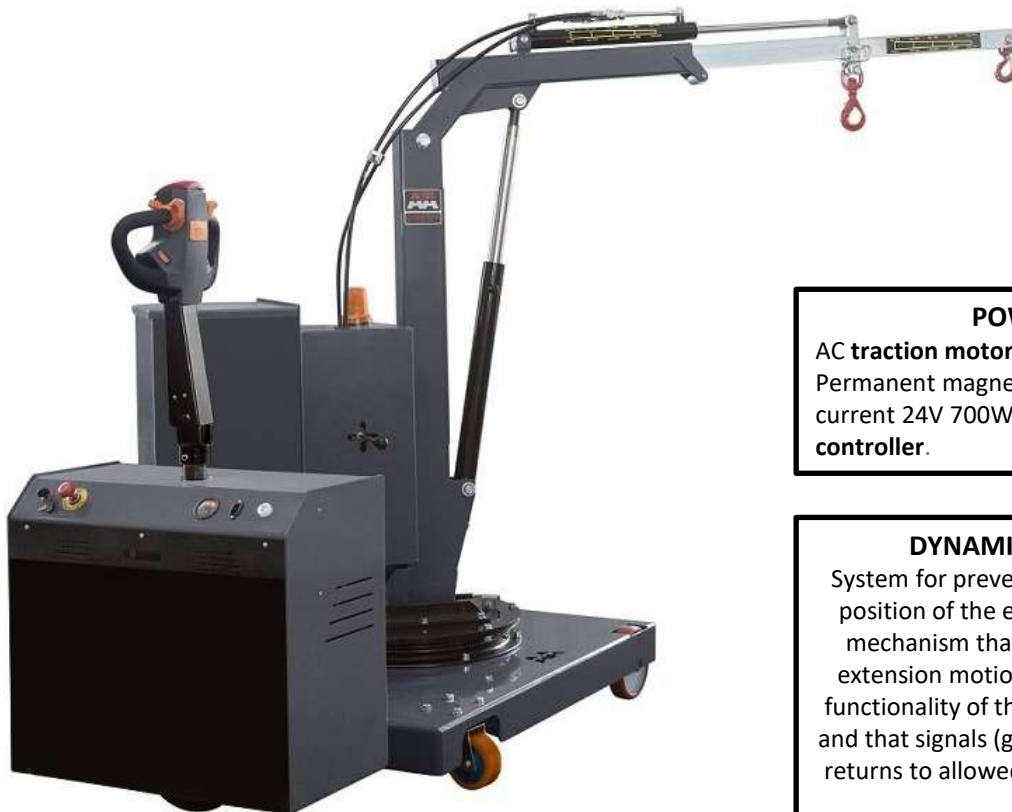
2 position **key switch** ; **emergency button** ; **Green indicator light** showing maximum load position and the upward/downward motion and extension & retraction motion are active; **Red control light** showing maximum load capacity (when the red light is activated is not possible to lift the load and extend the jib); Indicator showing the **battery charge level**; **Schuko socket** for 220V charge ; Visual warning **LED beacon**; **24V intermittent buzzer** when the crane is moving to increase operator safety; **Storage compartment**.

EQUIPPED WITH A 4-FUNCTION DISTRIBUTOR FOR:

- arm lifting
- arm lowering
- boom extension
- boom retraction



When the joystick lever is moved in the lifting, extension and lowering positions, the micro switches automatically activate the motor of the hydraulic unit which allows the movements; the lowering takes place safely with the engine off.



POWER DRIVE

AC **traction motor** with recovery braking. Permanent magnet **drive wheel** in direct current 24V 700W; high frequency **MOSFET controller**.

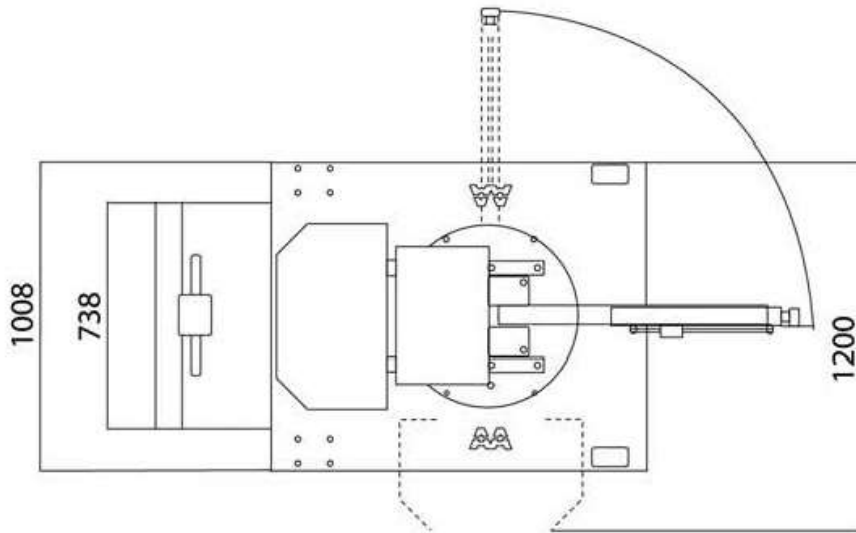
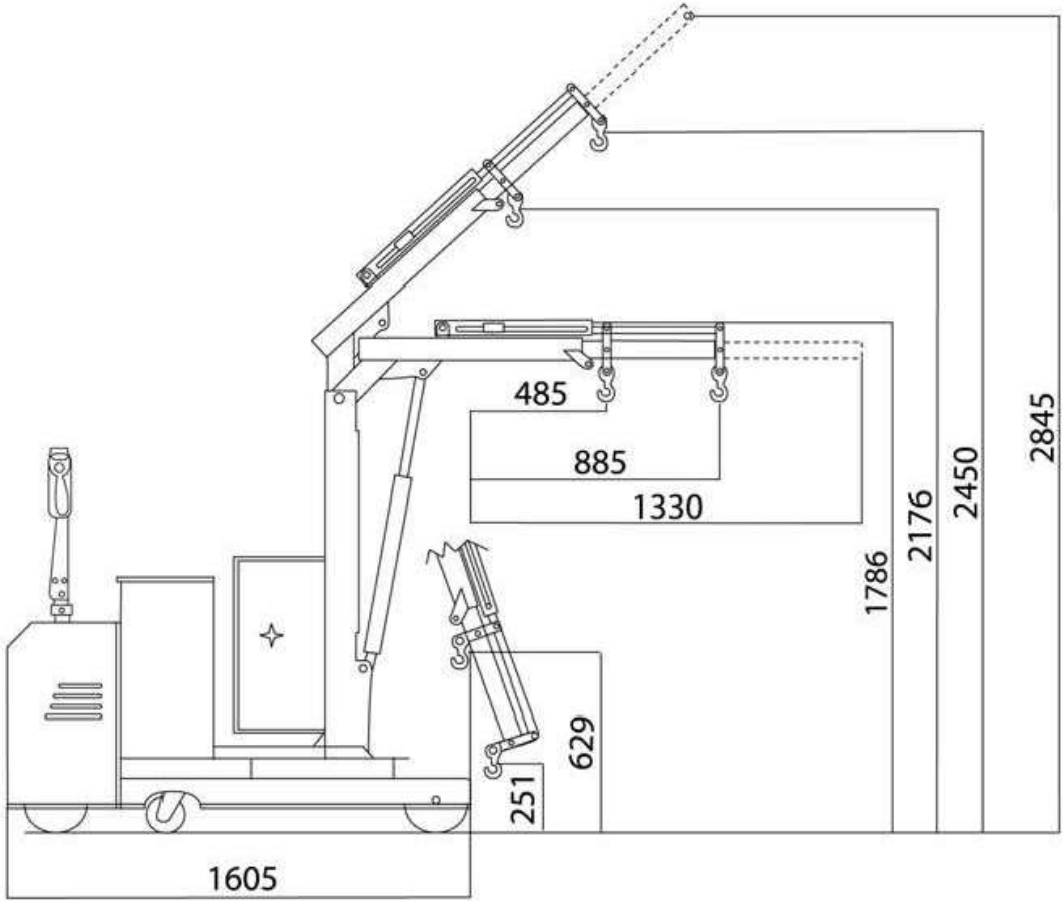
DYNAMIC LOAD LIMITER

System for preventing overloading in each position of the extension that activates a mechanism that blocks the upward and extension motion (red light) ensuring the functionality of the crane in absolute safety and that signals (green light) when the crane returns to allowed position, re-enabling the controls.

BUILT-IN CHARGER

Pulse model with single phase 220V high frequency input voltage and 24V output voltage. Microprocessor indicator with relay for lifting block. **3 LEDs** that indicate the operating status. **Remote RBC indicator** for displaying the charging phase of the battery charger.

ORBIT 0.5T
DIMENSIONS
Cost-effective, reliable and user friendly



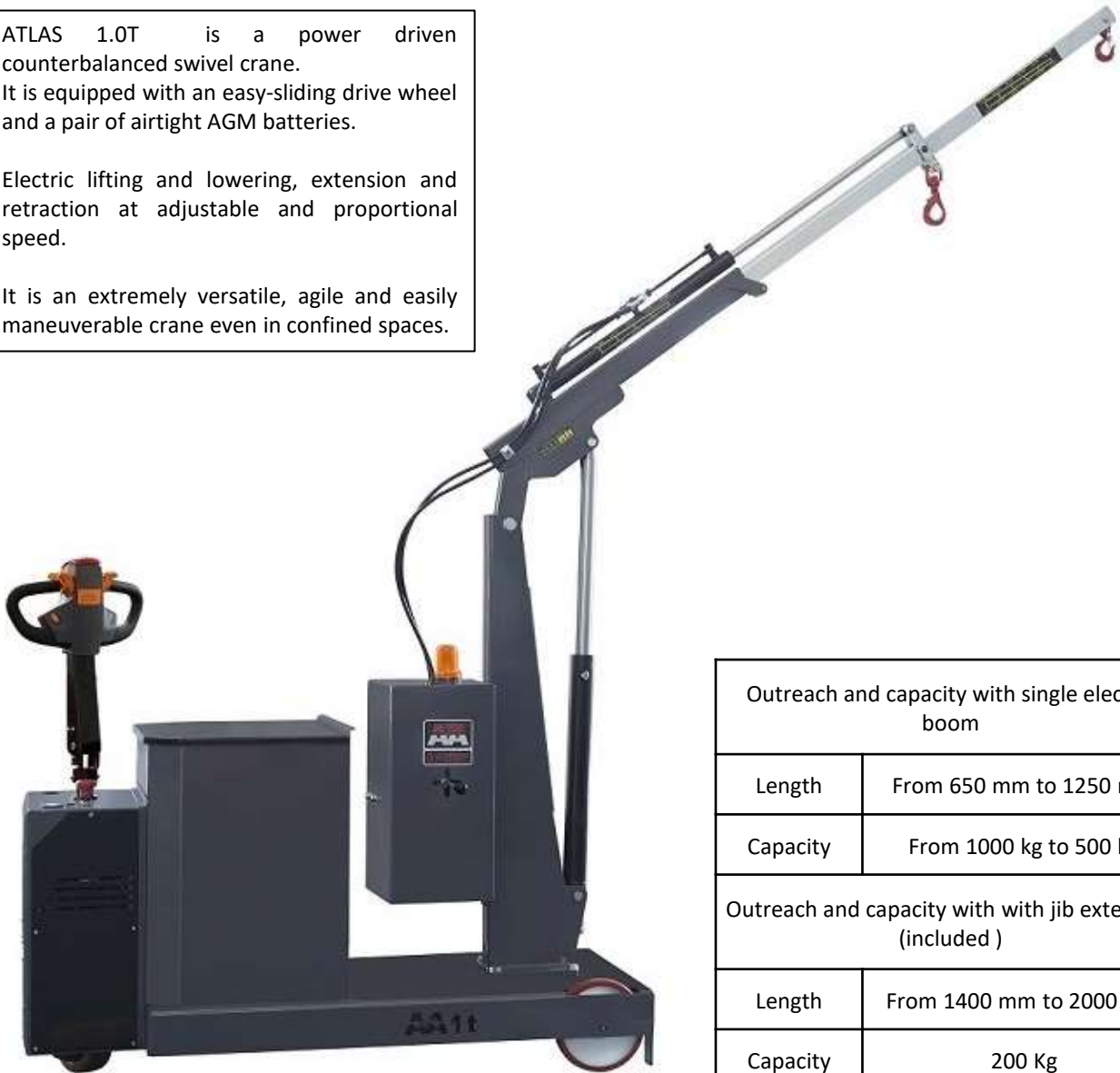
HEAVY DUTY COUNTERBALANCED SWIVEL CRANE WITH ELECTRIC TRACTION

ATLAS 1.0T CAPACITY 1000 KG – SWIVEL CRANE WITH SINGLE ELECTRIC BOOM

ATLAS 1.0T is a power driven counterbalanced swivel crane. It is equipped with an easy-sliding drive wheel and a pair of airtight AGM batteries.

Electric lifting and lowering, extension and retraction at adjustable and proportional speed.

It is an extremely versatile, agile and easily maneuverable crane even in confined spaces.



Outreach and capacity with single electric boom	
Length	From 650 mm to 1250 mm
Capacity	From 1000 kg to 500 kg
Outreach and capacity with with jib extension (included)	
Length	From 1400 mm to 2000 mm
Capacity	200 Kg

Technical data	UM	ATLAS 1.0T
Weight	[kg]	1300
Max capacity	[kg]	1000
Lifting motor	[W]	800
Traction motor	[W]	1200
Tank capacity	[L]	3

Traction and controller			
2 AGM batteries		1 battery charger	
[V]	[A]	[V]	[A]
2 x 12	2 x 120	24	12

ATLAS 1.0T

CAPACITY 1000 KG WITH SINGLE ELECTRIC BOOM

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Slow/fast speed : 2-speed driving

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Anti-crush belly button: anti-crush button with automatic reversing switch to ensure the safety of the operator in every maneuvering operation

2 butterfly controls: for forward travel and backward travel controls



CONTROLS, WARNING LIGHTS AND STANDARD FEATURES

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ATLAS 1.0T
DIMENSIONS AND CAPACITIES
Robust, efficient and user friendly

